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APR 07 2008

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

April 7 2008

In re Application of

Sten R. Gerfast  
Serial No. 10/733,944

Group art unit 2834

Filed 12/12/03

Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents  
P.O. BOX 1450  
Alexandria VA 22313-1450

In response to the DECISION to DISMISS the "request to withdraw the holding of abandonment"

that was mailed on 3/24/08 24 (received 3/28/08) from the Office of Petitions; John J. Gillon Jr., please find :

- 1) PETITION for revival under 37 CFR 1.137(b). (enclosed)
- 2) This is an affidavit that the Applicant has acted with candor and good faith: in that the replies to any paper from PTO have been answered by the Applicant within 3 to 4 weeks, [Diligence], and that "clarification request phone calls" has been made (as suggested in the final pages of ALL office Actions) on 6/23/06 and 7/7 /06 to both The Examiner (Nguyen) and to Lisa Wright .....without ANY .... PTO reply, and that clarification requests in writing to both the Examiner and his Supervisor was made on June 25 2007.....with NO specific reply (only form letter of non-compliance) I certify that a complete listing of all Claims, including proper status identifier, WERE sent to PTO on April 2 2006, and on June 25 2006 (Enclosed ) I have also replied to the mysterious request for "request for Drawing identification" when the only Drawing sheet (marked 1/1 ) has never been altered in this application.

*Sten Gerfast*  
APRIL 7 2008

FAX TO: IFW FORMAL FEEINGS  
FAX 571-2738300 24 PAGES  
SENT APRIL 7 2008

- 3) I also certify that the Applicant has complied with ALL request for additional fees within 3 to 4 weeks, either with a check or "credit card payment" form.

"Notice of fee due" dated 06/27/07 [Paper code : IMIS /Ejiig.A] (submitted as a copy on Mar 24 2008)

was NEWER received by the applicant.

(714.03 ? MPEP 607 and 714 ?)

*Sten Gerfast*  
*APRIL 7 2008*

[A fax request for all payments on this Application, submitted in 2007, was newer answered]

- 4) The Applicant respectfully requests a full disclosure of payments credited to this File Wrapper.  
If payments were correctly credited, please state the reason and date, if not please issue credit.
- 5) The Applicant was obligated under 37 CFR paragraph 10.18 to inquire into the underlying facts and circumstances about this pending Application. The Applicant did so on February 8 2008 "Status Inquiry" as well as in the above stated written request (June 2007) and phone requests made in June / July of 2006 .  
A Request for "Withdrawal of Abandonment" was filed on March 3 2008 (10.18 fulfilled?)
- 6) The Applicant has complied with 714.03 7.95.01 by submitting an argument under the heading "REMARKS" on April 2 2006
- 7) The Applicant has, in the above statements, shown both diligence and furthermore has shown that he has not in any way done anything to delay the prosecution of this Application.  
Whenever he has been informed of specifics he has sent in several papers of reply during 2006 and 2007  
Copies of 6 sheets FAXED on April 2 2006 are enclosed.)..... (6 pages Faxed on 6 23 2006)...  
(Phone call to supervisor on 571 272 2030 on May 31 2005....plus other papers)  
The Applicant has replied (April 2 2006 and 6 23 2006) to Examiners request with both corrected Claims pages and Specification pages TO COMPLY with 37 CFR 1.121 as stated on the PTO website.

Whenever he has been informed of Fee specifics he has complied within 3 to 4 weeks and sent in the Fees, and in the Applicant's opinion the Applicant could NOT have avoided the Abandonment.

"The entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition was unavoidable."

*Sten Gerfast*  
APRIL 7 - 2008

8) This Application was filed on on December 12 2003.....The only Office Action [Non-Final] that the Examiner has sent, was mailed on May 20 2005. ....The Applicant replied on May 31 2005  
The Applicant is today, April 7 2008, again sending the May 31 2005 reply, Drawing sheet (1/1) and amended Claims.

9) The Applicant is inclosing a "Credit Card payment form" ( to cover Petition fee or other fees.)

Please check previous submitted fees.

IN SUMMARY: The Records show that the Applicant DID NOT FAIL to respond to Non-final O.A. (20 May 2005).....response on 31 May 2005.

The Examiner waited until 2006 to reply.

NOR DID HE FAIL TO respond to ANY " Non-compliant notice" during 2006, by letters , inquiries and several phone clarification request in March and June of 2006.  
NOR DID HE FAIL TO respond to any fee requests in either 2006 or in 2007.

Entry of the Petition is courteously solicited.

Respectfully submitted

*Sten Gerfast* APRIL 7 2008

IDON642590

April 7 2008

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APR 07 2008

PTO/SB/64 (01-08)

Approved for use through 03/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT  
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)

Docket Number (Optional)

First named inventor: **STEN R. GERFAST**Application No.: **10/733,944**Art Unit: **2834**Filed: **12-12-2003**Examiner: **TRAN N. NGUYEN**Title: **GENERATOR WITH OUTPUT OPTIONS  
AND LOW LOSS WINDINGS**Attention: Office of Petitions  
Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
FAX (571) 273-8300

04/08/2008 PCHORP 00000002 10733944

01 FC:2452

255.00 OP

NOTE: If information or assistance is needed in completing this form, please contact Petitions  
Information at (571) 272-3282.The above-identified application became abandoned for failure to file a timely and proper reply to a notice or  
action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration  
date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

## APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications  
filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

## 1. Petition fee

☒ Small entity-fee \$ **255** (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.☐ Other than small entity - fee \$ \_\_\_\_\_ (37 CFR 1.17(m))

## 2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in  
the form of **PETITION (2 PAGES) REPLY (3 PAGES)** (identify type of reply):☐ has been filed previously on \_\_\_\_\_  
☒ is enclosed herewith.

B. The issue fee and publication fee (if applicable) of \$ \_\_\_\_\_

☐ has been paid previously on \_\_\_\_\_  
☐ is enclosed herewith.

(Page 1 of 2)

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the  
USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to  
complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any  
comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer,  
U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED  
FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

For assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/64 (01-08)

Approved for use through 01/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## 3. Terminal disclaimer with disclaimer fee

- ☐ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ \_\_\_\_\_ for a small entity or \$ \_\_\_\_\_ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (II)(C) and (D)).]

## WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Sten R. Gerfast  
Signature  
STEN R. GERFAST  
Typed or printed name  
1802 VALLEY CURVE  
Address  
MENDOTA HEIGHTS MN 55118  
Address

APRIL 7 2008  
Date  
1DON 642590  
Registration Number, if applicable  
651-454 1923  
Telephone Number  
FAX 651-454 1923  
E-MAIL:  
GERFAST@JUNO.COM

Enclosures: ☒ Fee Payment CREDIT CARD FORM☒ Reply 3 PAGES☐ Terminal Disclaimer Form☒ Additional sheets containing statements establishing unintentional delay☐ Other: \_\_\_\_\_

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.
- ☒ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

\_\_\_\_\_  
Date\_\_\_\_\_  
Signature\_\_\_\_\_  
Typed or printed name of person signing certificate

[Page 2 of 2]

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

In re Application of

Group art unit 2834

Sten R. Gerfast

Serial No. 10/733,944

MAY 31 2005

5 Filed 12/12/03

Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents

P.O. BOX 1450

10 Alexandria VA 22313-1450

In response to the office action dated 5/20/2005 please amend as follows:

Claim Rejections 35 USC -112

Specification is objected to due to unclear language. Claim 1-22 (Specifically claim 1 and claim 9)

The language in claim 1 is stating:

15 "each (salient poles) including alternately wound coils forming a single coil with two free ends"

is pictorially shown in Fig 1. "Each stator salient poles 110 is shown with alternately wound coils 105 forming a single coil with two free ends."

The Examiner is exactly correct in your (c) interpretation.

The pictorial (Fig 1.)

20 with three coils wound on each salient pole (alternately wound)

is showing "one free end" starting right above the number 110 and the other "free end" finishing right above the number 120.

For clarification: Remove "forming" (Line 5 Page 7) and insert "coupled to form"

The new claim 1. would then read: 1. A single coil generator comprising:

25 a rotor journaled in a generator frame, said rotor having a plurality of poles,

a stator with a like number of salient poles, each including alternately wound coils,

coupled to form a single coil with two free ends, generating AC that is connected to an AC load.

Similarly with respect to claim 9: Remove "forming" (line 20 Page7) and insert "coupled to form" after "alternately wound coils ".....to clarify Claim 9.

With these clarifications that more distinctly claim the subject matter in the invention I respectfully that all the 112 rejections be withdrawn.

5 Claim Rejections 35 USC- 103.

Claim 1-2, 4-8 and 19-22 are rejected over Weissensteiner (US Pg Pub 2004/0232796)

Weissensteiner discloses a machine that can be used as a generator that has a rotor (6) having a plurality poles, a stator (1) with the same number of poles(4), as the rotor poles.

10 In claim 1 Weissensteiner is referring to a turn of wire when he states: "at least one coil are wound over a coiling axis" that is expanded to include "multiple coiling (turns) in claim 2 and 3.

In his figure 1 ... he shows 2 distinctly separated coilings with four free ends, with each of them inter-connecting 3 coilings separated by 120 mechanical degrees. If we number his coilings starting with coiling number 1 situated left of his numeral 1, the three, series connected coilings that are inter-connected are numbers 1,3 and 5 ending up as two free ends marked with an AC symbol.

15 His second separate "coilings" are three, series connected coilings number 2,4 and 6 ending up as two free ends marked with a AC symbol. He says that his four free ends are connected to something that he calls "consumer devices". He does not claim or states pictorially that he has:

"a stator with a like number of salient poles, each including alternately wound coils, [forming] (or coupled to form)

20 a single coil with two free ends, generating AC that is connected to an AC load." (Gerfast claim 1. )

Even if he attempted to alternately wind "coilings" on two adjacent coiling axis, with his different magnetic structure, the magnetic flux lines are "splitting" into two separated "coilings" wound on said two coiling axis, causing a cancellation effect shown in the enclosed modified Weissensteiner Fig 1. in color. [Exhibit "A" attached]

By using TWO times THREE coilings (W claim 3) with four free ends and two AC loads( W claim 5) he is avoiding some of this cancellation effect. His un-orthodox construction and his strong implication that his machine is operating outside of Ohms law, makes one wonder about his confusing description.

Weissensteiner [0025] " Interaction of coils can be demonstrated by short-circuiting the stator coils.

5 In a conventional generator, a short circuit produces a braking action. In the case of the present generator, however, no braking action WHATSOEVER takes place, as tests with a simple sample machine have shown. On the contrary, the drive power required FALLS BENEATH the idling power."

Ohms law for AC: Power in watts = E squared x cosine divided by Z

or for DC : Power in watts = E squared divided by the resistance If the resistance goes down

10 to a low value (or short circuit) the drive power to the generator has to increase

[unless Ohms law is cancelled] [ Weissensteiner statements [0026] is it a over-unity? statement?]

[or does the inventor has a " mutual induction ....coil ...voltage increaser". ] Weissensteiner [0026]

Please compare the attached Exhibit "A"..... with Gerfast Fig 1. "where the all the flux lines

(without cancellation effect) are leading through each salient stator pole

15 generating AC current in every salient pole all the time.

See also Line 4 Page 3 of the Gerfast description:

"Another object is to have a more efficient power producing winding with basically all the copper (100 %) windings in front of rotor poles at one time". This is done with: "Like number of stator/rotor poles and alternately wound coils forming a single coil with two free ends". And it is different from

20 permanent magnet motor/generators that are on the market today,

that generally are 3 phase, switching on 2 of the phases at a time, thereby using 66% of the copper at a time, and normally have un-equal number of poles; rotor poles versus stator poles.



According to the above cited differences Weissensteiner does not claim or states pictorially that he has:  
“a stator with a like number of salient poles, each including alternately wound coils,  
[forming] (or coupled to form)  
a single coil with two free ends, generating AC that is connected to an AC load.” (Gerfast claim 1. and 2.)

5 With respect to Weissensteiner's coils they are not in a position in front of the rotor poles at all the time.  
Because of his construction with horseshoe magnets that have a gap between their north pole  
and their south pole, his coils are not exposed to a magnetic flux when the gaps are in front of his coils.  
Angular measurements shows each gap to be 15 degrees x 6 poles = 90 degrees out of 360 degree rotation  
which is only 75% of magnetic flux exposure.

10 In addition his rotor poles (number 6) are severely back-set from the stator surface,  
(a very wasteful use of magnetic flux) and it also magnetically decreases his effective rotor/stator width.  
With respect to his dimensional width of rotor versus stator poles, it is clearly stated above  
that he does not have the same dimensional width.

In his Fig 2. he does not show any support

15 for magnets, not showing any rotor, not showing any shaft.

His Fig. 4. drawing is shown with 12 separate coilings with 8 free ends. that is neither brushless  
or void of slip rings.

Weissensteiner says that his coilings can be “opened “, The value of which would probably  
be questioned both by the Examiner and generator designers. Paralleling of coils are commonly done  
20 in the industry to decrease “wind-time” by winding the coils using two wires at the same time  
in the winding-needle.

The Examiners statement that : " The multiple coiling consist of coil section alternating on the periphery of the stator. The multiple coiling consists of a stator coils of two coils, separately wired to consumer devices with coil sections on the periphery of the stator in alternative sequence and connected in series" is very similar to my statement above: His two separate "coilings" are three, series connected coilings number 2,4  
5 and 6 ending up as two free ends marked with a AC symbol. He says that his four free ends are connected to something that he calls "consumer devices". He does not claim or states pictorially that he has: "a stator with a like number of salient poles, each including alternately wound coils, [forming] (or coupled to form) a single coil with two free ends, generating AC that is connected to an AC load." (Gerfast claim 1. )  
10 So, in general he does not have "a single coil with two free ends "and therefore does not disclose the claimed Gerfast invention.

I therefore respectfully ask that 1-2, 4-8 and 19-22 rejections be withdrawn.

Namikawa is showing a transformer circuit, that is used all over the world, that contains a bridge rectifier supplying a DC to a DC load. But it has no AC to an AC load. Namikawa does not have: "a generator output  
15 split into AC and rectified DC and with the appropriate switching components .

I fail to see any obvious connection between these very different component; A transformer versus "a generator with high and low voltage, AC and DC output, plus switches to control these outputs"

I respectfully ask that the claim for obviousness be withdrawn.

With respect to Gerfast claim 5, I agree with the Examiner that the claw pole rotor is well known  
20 but it has, to the best of my knowledge, never been used in a generator that has a:  
"rotor having a plurality of poles, a stator with a like number of salient poles,  
each including alternately wound coils,  
coupled to form a single coil with two free ends, generating AC that is connected to an AC load."

A search to find such a combination failed to find any in the patent field.

For that reason I respectfully ask that the "obvious" rejection of claim 5 be withdrawn.

I also respectfully ask that all the mentioned claim rejections be withdrawn.

Respectfully submitted

1802 Valley Curve  
Mendota Heights MN 55118  
Phone and FAX (651) 454 1923

*Sten R. Gerfast*  
Sten R. Gerfast

May 31 2005

Another difference is that Weissensteiner's two pole (horseshoe) type of magnets

does not generate AC at all times. [Gerfast Claim 19]

*Sten R. Gerfast*  
MAY 31 2005

FAXED AGAIN  
ON 6-23-06Claims.RECEIVED  
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1. (currently amended) A single coil generator comprising:  
a rotor journaled in an generator frame, said rotor having a plurality of poles,  
a stator with a like number of salient poles, each including alternately wound coils  
5 ~~forming~~ coupled to form a single coil with two free ends, generating AC that is connected to an AC load.
2. (original) The generator of claim 1 wherein the output is split into AC and rectified DC.
3. (original) The generator of claim 2 wherein the AC output is connected to a first AC load  
through AC rated switches, and the rectified DC is connected to a second DC load  
through DC rated switches.
- 10 4. (original) The generator of claim 1 wherein the output is having any combinations of  
low and high voltage as well as AC and DC.
5. (original) The generator of claim 1 wherein said rotor is having claw-shaped magnetic poles.
6. (original) The generator of claim 1 wherein said rotor is having permanent magnet poles.
7. (original) The generator of claim 1 wherein said stator poles have same dimensional width  
15 as said rotor poles.
8. (original) The generator of claim 2 wherein the AC output is rectified by four diodes  
in a bridge circuit and then is connected to a DC load.
9. (currently amended) An output option generator with low loss switching devices comprising:  
a generator having a rotor with a plurality of poles, and a stator with a like number of salient poles,  
20 each including alternately wound coils ~~forming~~ coupled to form a single coil with two free ends,  
its AC output connected to a first load through AC rated switches,  
said AC output rectified and connected to a second load through DC rated switches.
10. (original) The generator of claim 9 wherein said first load consists of incandescent lamps,  
heaters and AC motors, and wherein said second load consists of DC motors, actuators and a battery.

FAXED AGAIN

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FAXED AGAINFILED  
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FAXED AGAINFAXED AGAIN  
6-23-06

11. (original) The generator of claim 9 wherein said first output is voltage regulated with Triac's or S.C.R.'s.
12. (original) The generator of claim 9 wherein the output is split into AC and rectified DC.
13. (original) The generator of claim 9 wherein the output is having any combinations of low and high voltage as well as AC and DC.
14. (original) The generator of claim 9 wherein said rotor is having claw-shaped magnetic poles.
15. (original) The generator of claim 9 wherein said rotor is having permanent magnet poles.
16. (original) The generator of claim 9 wherein said stator poles have same dimensional width as said rotor poles.
17. (original) The generator of claim 9 wherein the AC output is rectified by four diodes in a bridge circuit and then is connected to a DC load.
18. (original) The generator of claim 9 wherein said four diodes are the sole diodes in the generator system.
19. (original) The generator of claim 1 wherein said alternately wound coils are in a position in front of said rotor poles to generate AC at all times.
20. (original) The generator of claim 6 wherein its construction is brushless and void of slip rings.
21. (original) The generator of claim 8 wherein said D.C. load is having a capacitor connected across it.
22. (original) The generator of claim 2 wherein the AC output and the D.C. output have a common ground.

FAXED AGAIN  
ON 6/23/06

Without changing the alternators rotor design, the present inventions new type stator winding with the same number of stator poles as the rotor poles, could be done with alternately wound (north/south) coils, connected in series, forming a single coil with two free ends.

Each coil wound on a salient pole on the stator, is having approximately the same angular dimension, or width, as each rotor pole, with the copper winding totally surrounding each salient pole. When the rotors North/South poles are rotating in front of the North/South copper windings, power generation occurs simultaneously on all windings on all coils. This power is concentrated in the multitude of series connected coils extending into two free ends. Where it is ready to be used as AC or split into an AC connected to a first load and rectified DC connected to a second load.

10 The DC load could consist of charging of the battery, the small DC motors that are necessary for doors, windows and mirrors and also DC for ignition.

The present invention could also be described as an efficient generator comprising:  
a rotor journaled in an generator frame, said rotor having a plurality of poles,  
also having a stator with a like number of poles, each including alternately wound coils  
15 forming coupled to form a single coil with two free ends, connected to an AC load.

This new type alternator would be more efficient because substantially all the copper coils are active in front of rotor poles and generating AC all the time, as long as the generator is running. It only requires 4 diodes in a bridge circuit to transform this AC to DC, again with power savings. If required a capacitor could be connected across the D.C. output

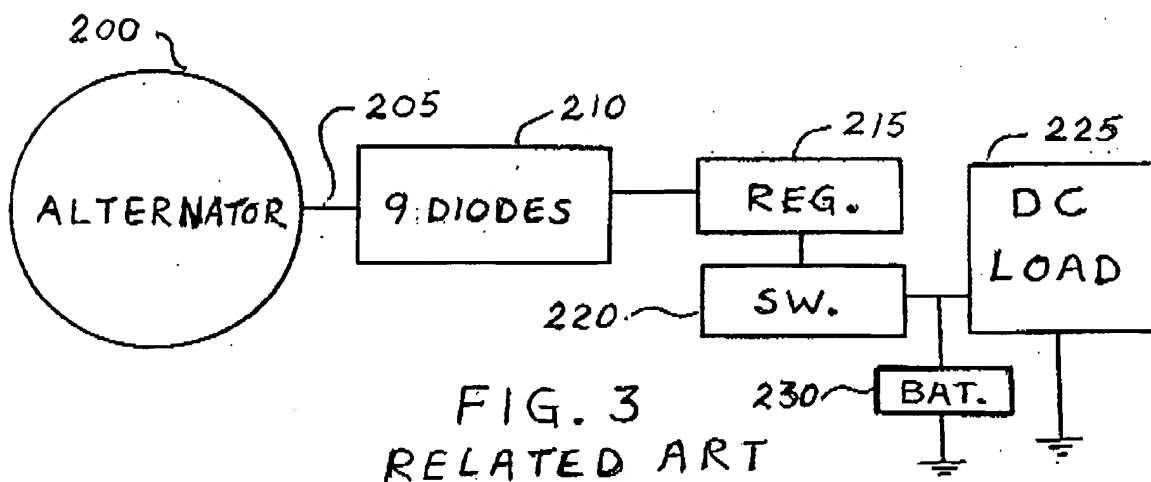
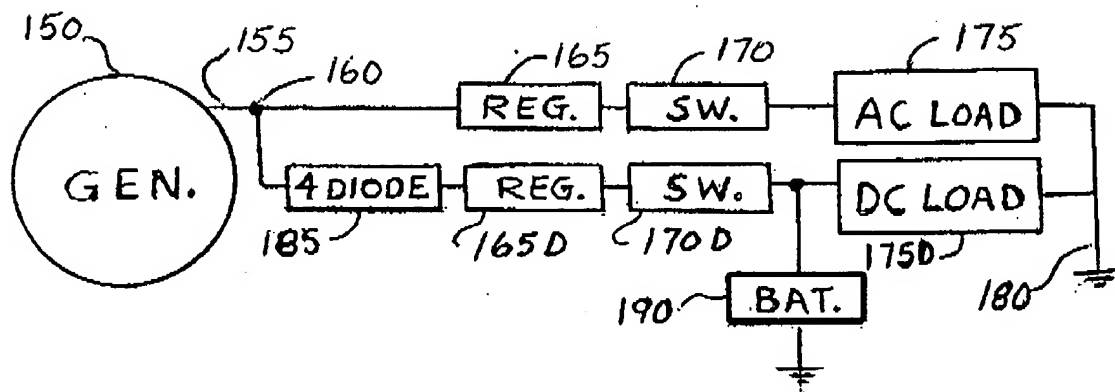
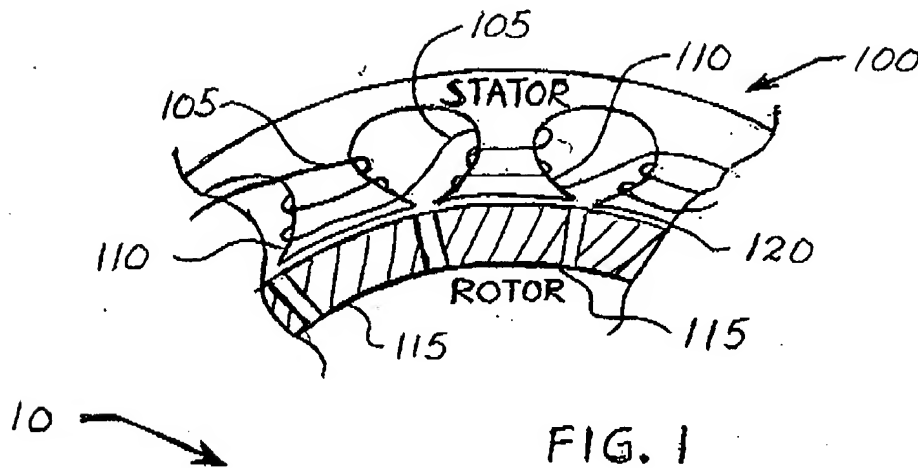
20 The present invention could also be described as:

A split output generator with low loss switching devices comprising:

A generator having a first AC output connected to a first load through AC rated switches,  
said generator having a second output connected to a set of rectifying diodes,  
said rectified output connected to a second load through DC rated switches.

25 All the above mentioned savings of generator/alternator power, the increase in fuel efficiency. at a lower cost with greater reliability, is one of the basis of the present invention.

FAXED AGAIN  
ON 6-23-06



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

April 2 2006

In re Application of

Group art unit 2834

Sten R. Gerfast  
Serial No. 10/733,944  
Filed 12/12/03

Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents  
P.O. BOX 1450  
Alexandria VA 22313-1450

In response to the Notice of Non-Compliant Amendment mailed 03/ 28/ 2006 (Received April 2 2006)

please find correction pages as required.

A new addendum page is also included.

Would you please contact me if additional information were needed? [gerfast@juno.com](mailto:gerfast@juno.com)

Fax and phone 651 454 1923

Respectfully submitted.



Sten Gerfast      Faxed 6 sheet to Fax 571 273 8300



# "REMARKS" <sub>2,3.</sub>

## ADDENDUM TO PREVIOUSLY SUBMITTED RESPONSE, MAILED ON MAY 31 2005.

Gerfast is teaching:



- "a single coil with two free ends, generating AC that is connected to an AC load"
- "a stator with like number of salient poles, each including alternately wound coils"
- "has basically all the copper (100 %) windings in front of rotor poles all the time"
- "is generating AC current in every salient pole at all times"
- \* "a generator that obeys Ohms Law"

Weissensteiner



Does not have.

Does not have.

He does not state, (probably  
3 phase design with a maximum of 66 %)

Does not have.

Apparently does not.

For other comments and arguments please refer to 7 response pages mailed on May 31 2005.

The drawing sheet has not been altered. It is now marked (original )

The specification sheets have not been altered,

but if the Examiner prefers, I have included a new specification sheet number 5

with a change of the word "forming" to "coupled to form" (This sheet is marked new Spec. sheet 5)

Reconsideration is courteously solicited.

Respectfully submitted.

*Sten Gerfast*  
Sten Gerfast

April 2 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

June 25 2007

In re Application of

Group art unit 2834

Sten R. Gerfast  
Serial No. 10/733,944  
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Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents  
P.O. BOX 1450  
Alexandria VA 22313-1450

In response to the Communication Letter mailed 6/12/2007 (Received June 19 2007)  
please find correction pages.

1. Additional \$165 is submitted on a Credit card form. (Sent to Supervisor Darren Schuberg)

2. Gerfast Drawing Sheet (1/1) [1 sheet out of 1] was never altered ! (A clarification sheet showing Weissen steiner

Pat. Appl. 2004/0232796 that is showing a

magnetic cancellation effect, not occurring in Gerfast, was included on May 31 2005


2 Continued: Amended Claims pages were submitted by Fax on 6/23/06 and are RE-submitted today [6/25/2007]

Amended Specification page number 5 was submitted by Fax on 6/23/06 and is RE-submitted today [6/ 25/ 2007]

( the only word changed on Page 5 was the word "forming" that was changed to " coupled to form" )

2 Continued "Supplemental Addendum sheet" was submitted on April 2 2006 and is RE-submitted today[6/ 25/ 2007]

Re-consideration is courteously requested.



Sten Gerfast June 25 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

April 2 2006

In re Application of

Group art unit 2834

Sten R. Gerfast  
Serial No. 10/733,944  
Filed 12/12/03

Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents  
P.O. BOX 1450  
Alexandria VA 22313-1450

In response to the Notice of Non-Compliant Amendment mailed 03/ 28/ 2006 (Received April 2 2006)

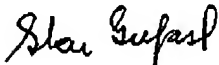
please find correction pages as required.

A new addendum page is also included.

Would you please contact me if additional information were needed? gerfast@juno.com

Fax and phone 651 454 1923

Respectfully submitted.



Sten Gerfast      Faxed 6 sheet to Fax 571 273 8300

Page 7

8

(or summation )

ADDENDUM TO PREVIOUSLY SUBMITTED RESPONSE, MAILED ON MAY 31 2005.

Gerfast is teaching: (10/ 733,944)

Weissensteiner, (U.S.2004/0232796)

- "a single coil with two free ends.  
generating AC that is connected to an AC load" (Claim 1)
- "a stator with like number of salient poles,  
each including alternately wound coils" (Claim 1)
- "has basically all the copper (100 %) windings  
in front of rotor poles all the time" (and is generating in every  
salient pole at all times [100 %] [Page 3 line 5])
- "is generating AC current in every salient  
pole at all times" (Claim 19 and Claim 1)
- \* "a generator that obeys Ohms Law"

Does not have.

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Does not have.

He does not state, (probably  
3 phase design with a maximum of 66 %

Does not have.

Apparently does not.

For other comments and arguments please refer to 7 response pages mailed on May 31 2005.

The drawing sheet has not been altered. It is now marked (original )

The specification sheets have not been altered.

but if the Examiner prefers, I have included a new specification sheet number 5

with a change of the word "forming" to "coupled to form" (This sheet is marked new Spec. sheet 5)

Reconsideration is courteously solicited.

Respectfully submitted.

Sten Gerfast

April 2 2006

This is in response to a "Failure to acceptable respond to Notice of Non-compliant Amendment mailed from PTO on 6/16/2006 (Lisa Wright)"  
(Received on 6/23/2006) [Clarifications are typed in small type]

Response Faxed on 6/23/2006  
PTO on 6/16/2006 (Lisa Wright)

The "First notice of non-compliant" mailed on 6/6/2005 asked for "Box 3 (Drawings) As stated above and again here:  
The drawing sheet has not been altered. It is now marked and annotated (original )

Box 1 The new specification sheet (numbered 5) was included as an Examiners option, and does include markings.  
No new paragraphs were added ; only change of the word "forming" to "coupled to form"

Reconsideration is courteously solicited.

Respectfully submitted.

Sten Gerfast Sten is available from 8.00 AM to 6.00 PM, Phone and FAX 651 454 1923; gerfast@comcast .net

Supervisor Darren Schuberg Art unit 2834

Re. Application number 10/ 733944.

Filed December 12 2003

Dear Mr. Schuberg: The applicant has numerous times tried to contact the Examiner for clarification:

- \* Phone calls to Mr. Nguyen on 6/23/06 and two weeks later, left message ; (no call back)
- \* Phone calls to Lisa Wright on 6/23/06, and later, left message ; (no call back)
- Written requests with my Fax, phone or E-mail address; no callback.
- My last reply was mailed and faxed on 6 23 2006.
- The reply has been in the possession of PTO since June 2006.
- The Examiner has not replied in any manner since:  
until I received a communication letter almost a year later (mailed 6/12/2007)
- It does not seem fair to ask for an additional \$ 625 for extension of time when the delay is at PTO.
- I would courteously request that the "extension of time" fee be waived.

Respectfully submitted June 25 2007

Sten Gerfast

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**APR 07 2008**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

February 8, 2008

In re Application of

Group art unit 2834

Sten R. Gerfast  
Serial No. 10/733,944  
Filed 12/12/03

Examiner Tran N. Nguyen

For GENERATOR WITH OUTPUT OPTIONS AND LOW LOSS WINDINGS.

Commissioner of Patents  
P.O. BOX 1450  
Alexandria VA 22313-1450

**STATUS INQUIRY.**

Inasmuch as in the above entitled application:

- Clams 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18 were allowed on 5-29 2005  
(Copy enclosed)

this is an inquiry as to when an Office action is forthcoming.

Respectfully submitted

Sten Gerfast

Three pages FAXED to 571 273 8300 on February 8 2008

## REMARKS

Submitted on April 7 2008

The Gerfast generator generates AC all the time:

because "the rotor is having a plurality of poles, a stator with a LIKE number of SALIENT poles ,  
each including alternately wound coils, coupled together to form a SINGLE coil with TWO FREE ENDS,  
generating AC," [ Gerfast Claim 1, Fig.1 ]

The Gerfast generator EFFICIENTLY generates AC all the time: because "ALL THE COILS are wound and connected  
together into a single coil (100 % USAGE of all the windings) with the SAME NUMBER of ROTOR poles  
as wound STATOR poles , with STATOR POLES and ROTOR POLES  
having the SAME DIMENSIONAL WIDTH", [ Gerfast Claim 16, Fig. 1]

The Gerfast generator EFFICIENTLY generates AC all the time:

because all same width " rotor poles is having PERMANENT MAGNET POLES", [ Gerfast Claim 6, Fig. 1]  
(Permanent magnet generators are always having a better efficiency than "claw-shaped " poles,  
because permanent magnet's INHERENT magnetic flux does not need any electrical input.)

Weissensteiner does not have the above stated language nor does he have any of the claimed features.

I respectfully ask that all the mentioned claim rejections be withdrawn.

Respectfully submitted

*Sten R. Gerfast* APRIL 7 2008  
Sten R. Gerfast April 7 2008

1802 Valley Curve  
Mendota Heights MN 55118  
Phone and FAX (651) 454 1923